Figure 10a is an illustration of client and service gates as messaging endpoints in a distributed computing model according to one embodiment;

Figure 10b is an illustration a message endpoint generation according to a schema for accessing a service according to one embodiment;

Figure 11a illustrates gate creation in a distributed computing environment according to one embodiment;

Figure 11b illustrates gate creation and gate pairs in a distributed computing environment according to one embodiment;

Figure 11c illustrates gate creation in a distributed computing environment, wherein a device maintains a gate cache, according to one embodiment;

Figure 12 is an illustration of possible gate components in a distributed computing environment according to one embodiment;

Figure 13 is an illustration of proxy client for a conventional browser to participate in the distributed computing environment according to one embodiment;

Figure 14 illustrates the use of a method gate to provide a remote method invocation interface to a service in a distributed computing environment according to one embodiment;

Figure 15 is an illustration of the use of a space in a distributed computing environment according to one embodiment;

Figure 16 illustrates advertisement structure according to one embodiment;